

# Jefferson County Conservation District

## Other Accomplishments



Planning, funding and permitting for installation (8-08) of a 62' bridge to replace stream crossing for livestock.



Pioneering Intra gravel Dissolved oxygen (IGDO) monitoring using aquarium air stones.



Planning, funding, permitting for fish passage barrier culvert replacement.

## 2008 Feature Accomplishment

### Solar Livestock Water Pump

#### *Resource Challenge*

Working with landowners on BMP implementation in Discovery Bay watershed to address high bacterial counts in fresh and marine waters.

#### *Project Summary and Results*

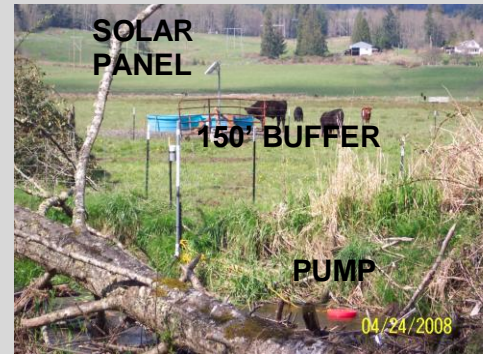
Jefferson County Conservation District worked with multiple landowners and community partners to preserve land for agriculture and implement best management practices to address high bacterial counts.

One project addressed livestock drinking water needs after fencing cut off livestock drinking access to a creek. A demonstration solar pump unit had been installed at this location for two summers and had proved to the farmer that it was reliable and effective, making him comfortable with cutting off all livestock access to the stream. A permanent solar water pumping system was installed, and the new, wider buffer established by fencing will be planted with trees and shrubs in winter 2009.

This project has successfully demonstrated that solar powered water pumping for supplying livestock is efficient and reliable in Western Washington.

#### *Key Project Partners*

Landowners, Jefferson Land Trust, Jefferson Co. Public Health, Salmon Recovery Funding Board, WA State Dept. of Ecology



## Contact Information

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## More Work To Do

- Implement projects planned and funded in 2007-2008.
- Continue and expand water quality monitoring program.
- Assist landowners with planning and funding of additional agricultural BMP's and salmon habitat projects.
- Continue and expand natural resource management educational opportunities for landowners.